

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	("4233603"   "4840462"   "4990905"   "5032830"   "5032831"   "5159325"   "5379050"   "5428370"   "5490000"   "5546102"   "5555110"   "5585036"   "5596434").PN. OR ("5767829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 15:02
L3	35	("3532813"   "4393380"   "4583087"   "4641135"   "4709992"   "4715685"   "4748445"   "4794385"   "4810059"   "4811006").PN. OR ("5032831").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 18:03
L4	30	("4233603"   "4455576"   "4621250"   "4638310"   "4840462"   "4907862"   "4973135"   "4976515"   "4990905"   "5032830"   "5032831"   "5119085"   "5159325"   "5315396"   "5379050"   "5428370"   "5490000"   "5546102"   "5555110"   "5585036"   "5596434"   "5600345"   "5621439"   "5627560"   "5684504"   "5701136"   "5767829"   "5905484"   "Re33120").PN. OR ("6069604").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 18:09
L17	956	345/55.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:27
L18	1598	345/211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:24
L19	33	(17 or 18) and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:26

## EAST Search History

L20	4	(17 or 18) and piezoelectric and (inductor or solenoid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:28
L21	6545	345/55-72,211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:28
L24	79468	"345"/\$6.ccls. and piezoelectric\$6 and (inductor or solenoid) and pixel or (picture adj element)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:30
L25	132	"345"/\$6.ccls. and piezoelectric\$6 and (inductor or solenoid) and (pixel or (picture adj element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:33
L27	2	"345"/\$6.ccls. and piezoelectric\$6 SAME (inductor or solenoid) SAME (load)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:32
L28	133	"345"/\$6.ccls. and piezoelectric\$6 AND (inductor or solenoid) AND (load)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:32
L29	117	"345"/\$6.ccls. and piezoelectric\$6 SAME (pixel or (picture adj element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:33

## EAST Search History

L30	41	"345"/\$6.ccls. and piezoelectric\$6 WITH (pixel or (picture adj element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 19:06
L31	34	"345"/\$6.ccls. and piezoelectric\$6 WITH (load)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:38
L32	12	("4560982"   "4640582"   "4873516"   "4945352"   "5014048"   "5025250"   "5032831"   "5159325").PN. OR ("6069603"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 19:05
L33	12	("4560982"   "4640582"   "4873516"   "4945352"   "5014048"   "5025250"   "5032831"   "5159325").PN. OR ("6069603"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 18:50
L34	11	("5251048"   "5274484"   "5384067"   "5598229"   "5748277"   "5933203"   "5963190"   "6069603"   "6252571"   "6266113"   "6320562").PN. OR ("6927765"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/18 18:51
L35	1559	"345"/\$6.ccls. and piezoelectric\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 19:06
L36	3	piezoelectric\$7 WITH matrix SAME electrode AND "345"/\$6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 19:50
L37	17	touch WITH magnet\$4 WITH inductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 19:51

## EAST Search History

L38	1151	force WITH magnet\$4 WITH inductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 19:51
L39	8	"345"/\$6.ccls. and L38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 19:52
S2	2	"20020011982"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:07
S3	2	"2002108310"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:09
S6	4	"2003017245"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:08
S7	1	11/145525	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:11
S8	2	"20020154101"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:23

## EAST Search History

S9	4	"6380913"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:23
S10	2	"6380913".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:24
S11	2	"20030038600"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:24
S12	5	"536015".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:27
S13	2	"5361015".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:29
S14	2	"20010050537"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:30
S15	2	"6538391".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:30

## EAST Search History

S16	10	("5449970"   "5557159"   "5998924"   "6294876"   "6377002").PN. OR ("6538391").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:35
S17	0	01/09870	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:35
S18	0	"587802".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:37
S19	1	"5874802".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:38
S20	2	"20020153827"	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:39
S21	1	"5508590".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:41
S23	1	"5453661".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:42
S24	1	"6157145".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:42
S25	1	"5280221".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:43
S26	1	"5747926".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:44
S27	1	"6198225".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:44
S28	1	"6479924".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:45
S29	2	"20020060516"	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:46
S30	1	"6580108".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:46
S31	1	"6452328".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:47

## EAST Search History

S32	1	"6469452".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:49
S33	1	"6359383".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:50
S34	1	"6274881".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:51
S35	1	"6184612".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/15 18:51
S36	2	"6153978".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:53
S37	2	"6153978".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:53
S38	2	"6040973".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:54
S39	2	"5990605".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:54
S40	2	"5877594".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:55

## EAST Search History

S41	2	"5729094".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:55
S42	0	"57265243".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:56
S43	2	"5726524".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:57
S44	12	10/808258	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 18:59
S45	12	10/919678	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 19:23
S46	1	10/810078	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 12:52
S47	87047	"345"/\$6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 12:54



## EAST Search History

S48	680	third near2 voltage near2 (diode or rectify\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:09
S49	24	S47 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 12:55
S50	675	third adj voltage WITH (diode or rectify\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 18:09
S51	48	S47 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 13:31
S52	1	reset WITH signal WITH select WITH ((first or second) ADJ (diode or rectify\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 13:33
S53	20	reset SAME signal SAME select SAME ((first or second) ADJ (diode or rectify\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 13:34
S54	4	reset WITH (signal or data) WITH (select or scan or scann\$4) WITH ((first or second) ADJ (diode or rectify\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 14:07

## EAST Search History

S55	2	("5404074"   "6414444").PN. OR ("6882112").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 13:37
S56	14	("5747918"   "5763997"   "6031336"   "6184627"   "6252569"   "6307327").PN. OR ("6414444").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 13:37
S57	7	reset WITH (signal or data) WITH (select or scan or scann\$4) SAME ((first or second) ADJ (diode or rectify\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 14:08
S58	22	reset WITH (signal or data) WITH (select\$4 or scan or scann\$4) SAME ((first or second) ADJ (diode or rectify\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 14:09
S59	24	reset\$5 WITH (signal\$5 or data) WITH (select\$4 or scan or scann\$4) SAME ((first or second) ADJ (diode or rectify\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 14:10
S60	17	("4233603"   "4840462"   "4990905"   "5032830"   "5032831"   "5159325"   "5379050"   "5428370"   "5490000"   "5546102"   "5555110"   "5585036"   "5596434").PN. OR ("5767829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 14:15